

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: MP0246

Ke HAN

Express Mail No. EU782142571US

Filed: Concurrently herewith

For: OPTIMAL ONE-SHOT PHASE AND FREQUENCY ESTIMATION FOR TIMING
ACQUISITION

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

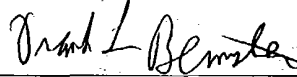
The present Information Disclosure Statement is being filed concurrently with the application and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

INFORMATION DISCLOSURE STATEMENT

waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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PATENT TRADEMARK OFFICE

Date: July 16, 2003

Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Confirmation Number	
				Filing Date	July 16, 2003
				First Named Inventor	Ke HAN
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	MP0246

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,619,537		04/08/1997	Altes
		US 6,064,703		05/16/2000	Cusani et al.
		US 6,192,501	B1	02/20/2001	Hladik et al.
		US 6,304,996	B1	10/16/2001	Van Stralen et al.
		US 6,343,368	B1	01/29/2002	Lerzer
		US 2002/0167923	A1	11/14/2002	Sendonaris et al.
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		BERGMANS, Jan W.M., "Appendix 9C: Data-aided Maximum-likelihood one-shot phase estimator", <i>Digital Baseband Transmission and Recording</i> , 1996, pp. 489-494, Kluwer Academic Publishers, Netherlands.	
		LIU, Jingfeng et al., "Symbol Timing Recovery for Low-SNR Partial Response Recording Channels," <i>Globecom Conference</i> , 2002, 8 pp. Pittsburgh, Pennsylvania.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.